FIG. 1

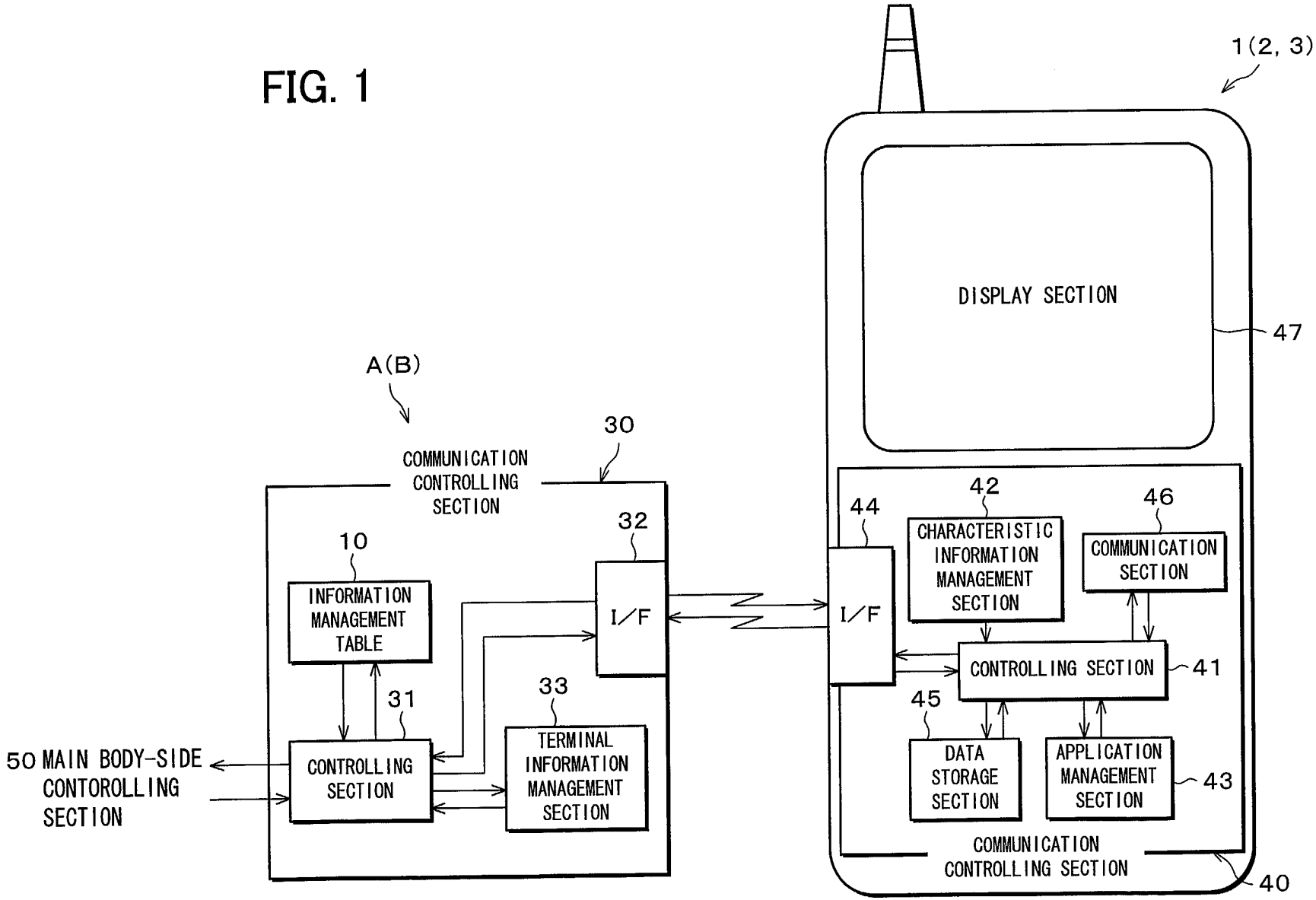

1(2, 3)
DISPLAY SECTION
47
A(B)
30
COMMUNICATION CONTROLLING SECTION
10
INFORMATION MANAGEMENT TABLE
32
I/F
31
33
TERMINAL INFORMATION MANAGEMENT SECTION
50 MAIN BODY-SIDE CONTOROLLING SECTION
CONTROLLING SECTION
44
I/F
42
CHARACTERISTIC INFORMATION MANAGEMENT SECTION
46
COMMUNICATION SECTION
CONTROLLING SECTION
41
45
DATA STORAGE SECTION
APPLICATION MANAGEMENT SECTION
43
COMMUNICATION CONTROLLING SECTION
40

FIG. 2

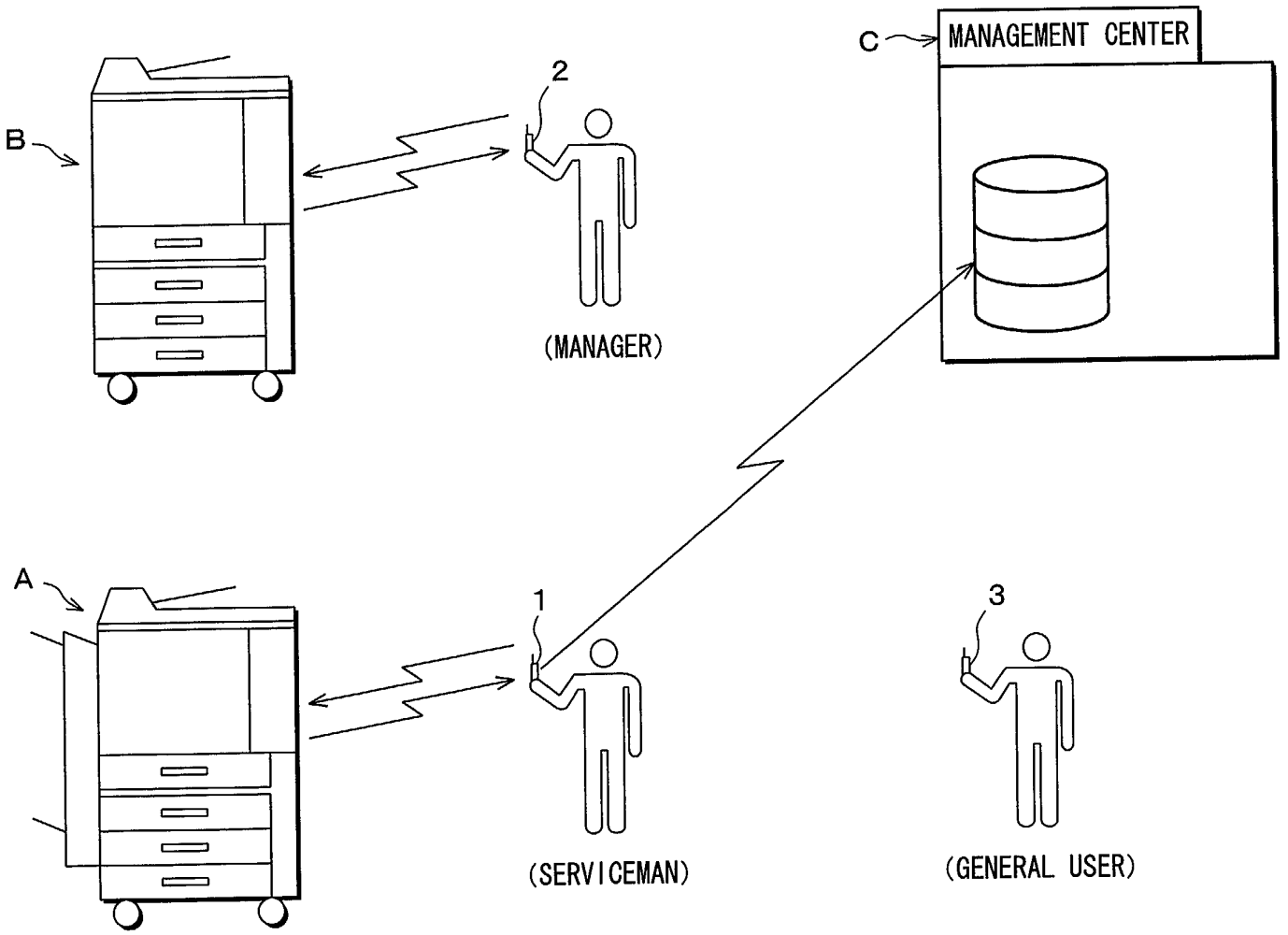

C
MANAGEMENT CENTER
B
2
(MANAGER)
A
1
(SERVICEMAN)
3
(GENERAL USER)

FIG. 3

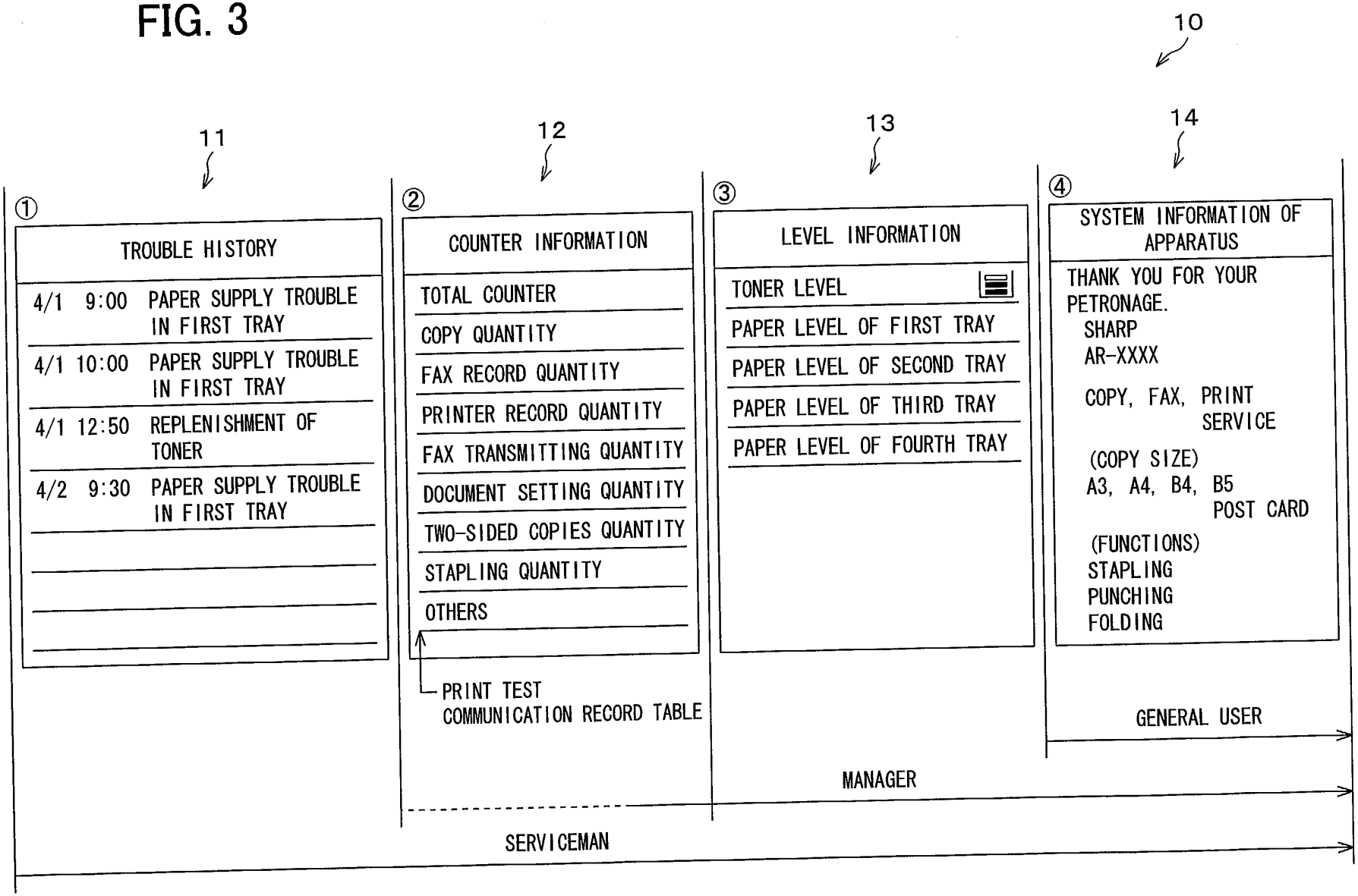

10
11
12
13
14
①
TROUBLE HISTORY
4/1 9:00 PAPER SUPPLY TROUBLE IN FIRST TRAY
4/1 10:00 PAPER SUPPLY TROUBLE IN FIRST TRAY
4/1 12:50 REPLENISHMENT OF TONER
4/2 9:30 PAPER SUPPLY TROUBLE IN FIRST TRAY
②
COUNTER INFORMATION
TOTAL COUNTER
COPY QUANTITY
FAX RECORD QUANTITY
PRINTER RECORD QUANTITY
FAX TRANSMITTING QUANTITY
DOCUMENT SETTING QUANTITY
TWO-SIDED COPIES QUANTITY
STAPLING QUANTITY
OTHERS
PRINT TEST
COMMUNICATION RECORD TABLE
③
LEVEL INFORMATION
TONER LEVEL
PAPER LEVEL OF FIRST TRAY
PAPER LEVEL OF SECOND TRAY
PAPER LEVEL OF THIRD TRAY
PAPER LEVEL OF FOURTH TRAY
④
SYSTEM INFORMATION OF APPARATUS
THANK YOU FOR YOUR PETRONAGE.
SHARP
AR-XXXX
COPY, FAX, PRINT SERVICE
(COPY SIZE)
A3, A4, B4, B5
POST CARD
(FUNCTIONS)
STAPLING
PUNCHING
FOLDING
GENERAL USER
MANAGER
SERVICEMAN

FIG. 4

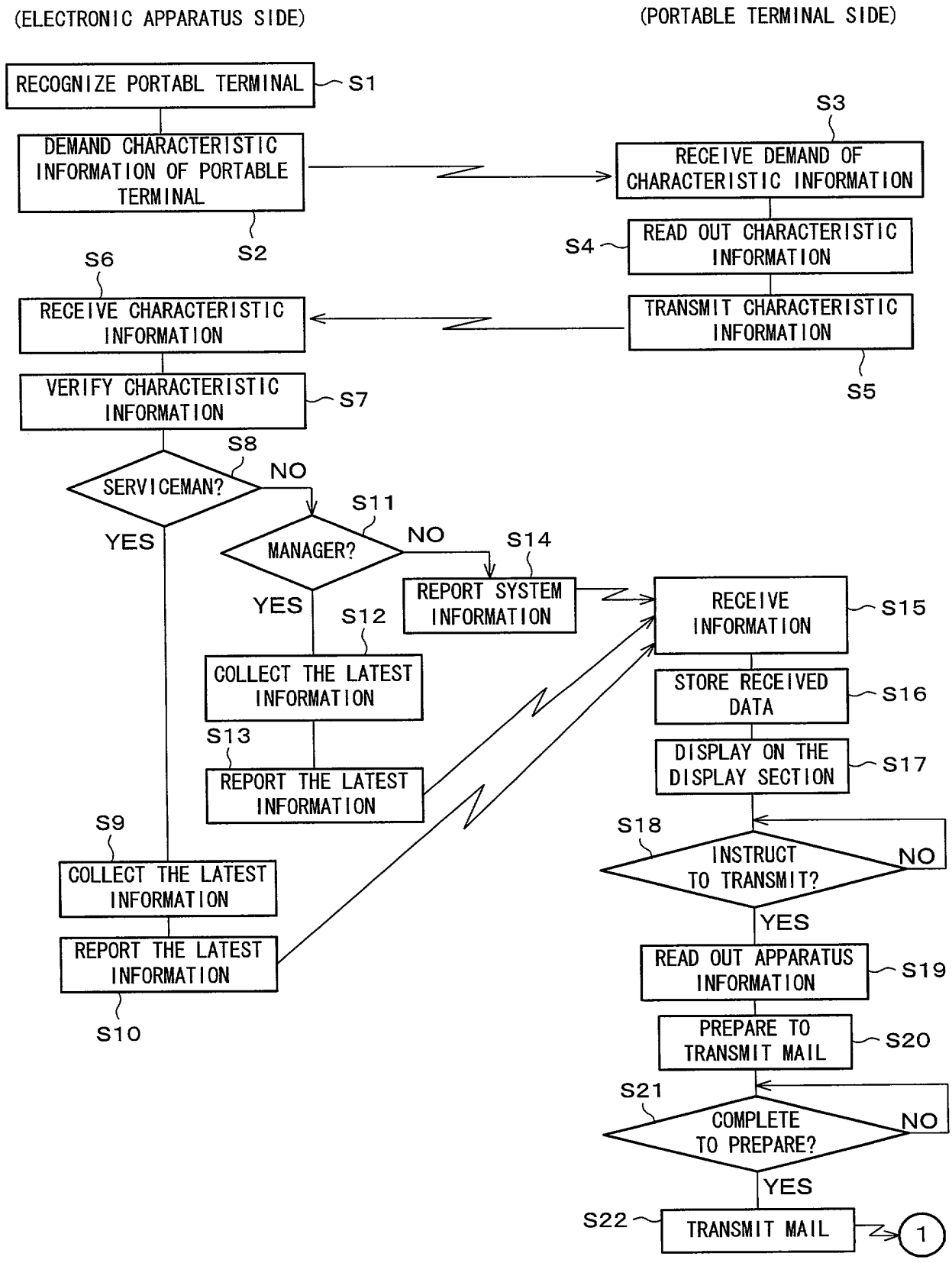
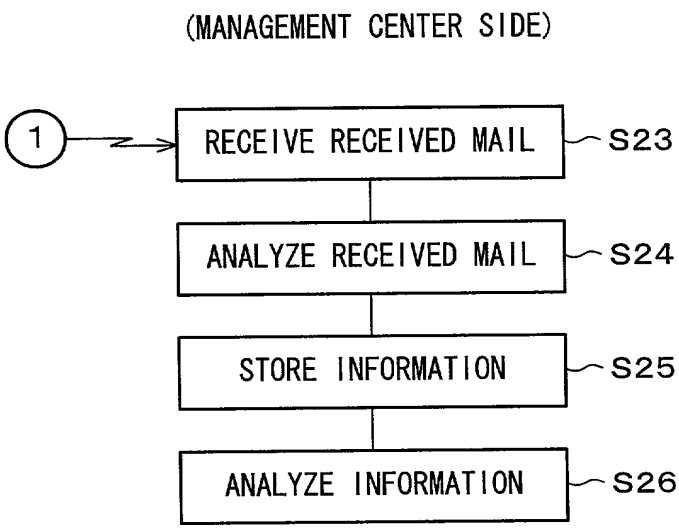

(ELECTRONIC APPARATUS SIDE)
(PORTABLE TERMINAL SIDE)
RECOGNIZE PORTABL TERMINAL
S1
DEMAND CHARACTERISTIC INFORMATION OF PORTABLE TERMINAL
S2
S3
RECEIVE DEMAND OF CHARACTERISTIC INFORMATION
S4
READ OUT CHARACTERISTIC INFORMATION
TRANSMIT CHARACTERISTIC INFORMATION
S5
S6
RECEIVE CHARACTERISTIC INFORMATION
VERIFY CHARACTERISTIC INFORMATION
S7
S8
SERVICEMAN?
NO
YES
S11
MANAGER?
NO
YES
S12
COLLECT THE LATEST INFORMATION
S13
REPORT THE LATEST INFORMATION
S14
REPORT SYSTEM INFORMATION
S9
COLLECT THE LATEST INFORMATION
REPORT THE LATEST INFORMATION
S10
RECEIVE INFORMATION
S15
STORE RECEIVED DATA
S16
DISPLAY ON THE DISPLAY SECTION
S17
S18
INSTRUCT TO TRANSMIT?
NO
YES
READ OUT APPARATUS INFORMATION
S19
PREPARE TO TRANSMIT MAIL
S20
S21
COMPLETE TO PREPARE?
NO
YES
S22
TRANSMIT MAIL
1

FIG. 5



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